

## VIDEO OUTPUT PENTODE

# EL822

*Video output pentode having a high mutual conductance.*

### HEATER

$V_h$	6.3	V
$I_h$	750	mA

### CAPACITANCES (unshielded)

$C_{in}$	12	pF
$C_{out}$	6.0	pF
$C_{a-g1}$	<0.1	pF

### CHARACTERISTICS

#### Pentode connection

$V_a$	250	250	250	V
$V_{g3}$	0	0	0	V
$V_{g2}$	150	200	250	V
$V_{g1}$	-2.5	-5.0	-7.0	V
$I_a$	40	37.5	42.5	mA
$I_{g2}$	5.0	4.8	4.8	mA
$g_m$	13	12.2	12.5	mA/V
$\mu_{g1-g2}$	23	23	23	
$r_a$	100	90	90	k $\Omega$
$T_{bulb}$	190	200	220	°C

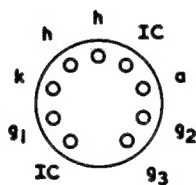
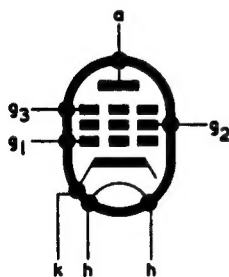
#### Triode connection ( $g_2$ connected to a)

$V_a$	150	V
$I_a$	45	mA
$V_{g1}$	-2.5	V
$g_m$	14.6	mA/V
$r_a$	1.56	k $\Omega$
$\mu$	23	

### DESIGN CENTRE RATINGS

$V_{a(b)}$ max.	550	V
$V_a$ max.	275	V
$p_a$ max.	12	W
$V_{g2(b)}$ max.	550	V
$V_{g2}$ max.	275	V
$p_{g2}$ max.	2.5	W
$I_k$ max.	60	mA
$R_{g1-k}$ max.	100	k $\Omega$
$V_{h-k}$ max.	90	V
$T_{bulb}$ max.	220	$^{\circ}\text{C}$

3310



B9A Base

